PLAINTIFF'S EXHIBIT NO. 24 (03.07.17 HEARING)

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NUMBER	DATE	GROSS	DISCOUNT	NET AMOUNT

Humboldt, IA 50548

VENDOR NUMBER

V10444

CHECK DATE

10/04/2012 MM/DD/YYYY

************2,268.47

Stanley J Seavey

ORDER OF Process Quality Consulting, LLC

1781 Robbins Rd.

FIRST AMERICAN BANK Franklin Grove, IL 61031

ELK GROVE VILLAGE, IL 60007

70-2277

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SUM OF **** TWO THOUSAND TWO HUNDRED SIXTY EIGHT AND 47/100 DOLLARS

Reid 10/8/12

Stan Seavey
Process Quality Consulting, LLC
1781 Robbins Rd.
Franklin Grove, IL 61031

Invoice #: 803

Date: September 26, 2012

To: Mr. Jehan Saulnier
President & CEO
Liguria Foods, Inc.
1515 N. 15th St.
Humboldt, IA 50548

Description of Services: Consulting services relative to Humboldt plant process review conducted September 11-14, 2012.

Client	Date	Description	Mileage (0.555/mile)	Time		Total
Jehan Saulnier	9/11-14			2 and 1/2 days		\$2000.00
		hotel		3 nights		\$268.47
				•		
-						
					Total Due	\$2268.47

Please remit payment within 30 days to: Stan Seavey Process Quality Consulting, LLC 1781 Robbins Rd. Franklin Grove, IL 61031

Phone: 815.288.1151 Cell: 630.485.0291 Email: sjseavey@grics.net Thank You!

Filed 02/10/17- Page 4-of-18-

Liguria Foods Process Review

I propose the following, reference the process audit at Liguria Foods dry sausage operation in Humboldt, Ia.

Time: 3 day process review, August 14-16, 2012

Scope: Each step of the process from raw material receiving through drying will be evaluated. The objective is to look at the process for optimization relative to product quality, consistency, drying rates, and process controls.

Expectations: Key personnel from Liguria operations and quality management will be available during the visit at the appropriate stages to facilitate the review. All pertinent process procedures, data, and controls will be made available for review. The review schedule may include time during evenings or nights as well to assure all critical phases of the process are seen.

I will share any observations, suggestions, concerns, or ideas that may be of use in process optimization. A written report will be submitted to Liguria Foods after my visit.

Cost: \$800.00 per day, plus travel expenses.

Stan Seavey Process Quality Consulting, LLC 1781 Robbins Rd. Franklin Grove, IL 61031 Cell: 630.485.0291 9/25/12

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Stan Seavey

From:

<JSaulnier@liguriafoods.com>

Date:

Tuesday, October 02, 2012 6:48 AM

To:

<psingh@vistapackaging.com>; <sjseavey@grics.net>; <klathrop@liguriafood.com>

Attach:

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Subject:

Report Follow Up

Conf call info:

Dial In:

866-410-9316

Code: 513-576-0082

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Stair Seavey (55)

Summary and Recommendations from Plant Process Review Liguria Foods- September 11-14, 2012

Background and Scope:

I was contacted by Mr. Jehan Saulnier, and asked to visit the facility to review the dry sausage manufacturing processes.

The primary focus of the visit was to review the process for optimization relative to product quality, consistency, drying rates, and process controls. I was accompanied on the visit by Prem Singh, of Vista, as a follow-up to his previous visit in which he concentrated on dry room operations.

Process Review:

The various steps in the manufacturing process were evaluated relative to direct observation of activities, records review, and applicable work instructions. Following are the comments and recommendations.

Receiving & Storage-

A partial pallet of Frozen Regular Pork Trimmings from IBP/Provision Packing, Est. 20968B, Code date 5-24-12, was observed in the cooler. The tops of the boxed product showed numerous areas of rancidity on the fat. This product was reviewed with QC and Operations and I advised the product should not be used as it would be a catalyst for rancidity development in the finished product. It was stated that more of the lot was on inventory in cold storage and would have to be evaluated.



Frozen pork regulars are highly susceptible to rancidity and should be used within 60 days, and even with that require very close scrutiny to assure quality product. Temperature fluctuations in storage and tempering can accelerate the rancidity development regardless of age.



- Rework- dry rework was reviewed in the cooler. Prem noticed a vat dated 8-21.
 It was a product WIP infrequently produced. It was recommended that a 10 day age limit be put on dry rework in cooler storage.
- Meat trimming quality- overall the meat trim quality was good. Fresh Special Lean Pork is all blended trim for the most part and while there was variability in texture and trim clarity, no over-blended, smeared product was seen.

Formulation-

Fat Control- Combos of fresh trimmings are cored and tested for fat content. There is some matching of high/low combos in the pre-grind step to try to utilize varying fat content trim to minimize blend variability. However, this process is limiting in effectiveness due to a number of variables, such as actual fat content of available material, limited vat dump stations on the formulation conveyor, and inability to test frozen meat.





A sampling of blend data showed a 7% range on emulsion fat content. This translates to increased variability in finished product drying and quality differences. The use of an Anyl-ray could be a useful tool to nondestructively analyze both fresh and frozen meat for fat and allow for more fat control in formulation. The Anyl-ray tests a 13# ground meat sample and has been used in formulation control for many years. http://www.oystar-group.com/chubpackaging/fat-analysis-equipment.html



- Blend process- The second shift formulator added the meat combinations/weights to the scale conveyor by memory because the formulation sheet is located at the blender stand. While this may be an acceptable practice due to the limited number of raw materials in the formula it is recommended that he have his own formulation sheet to document assembly of ingredients for each blend unit rather than just recording a total blend weight.
- Mix/final grind procedures- The mix process including ingredient addition, mixing, unloading, and finished grind quality was good and no deficiencies in product quality were noted. Temperature control was good. One sanitation note-ingredient bags are staged on top of the blender grate and external contamination can fall into the blender. It should be assumed that the exterior of the bags are a contamination source. Stripping the outer bag layer off prior to staging can reduce this potential.

Stuffing-



Prem noticed some variability in stuffing speeds, e.g., starting and stopping of stuffing, due to logs filling up the table at times. It was noted that the stuff speed and hanging speed be optimized as much as possible to avoid start-stop, which can lead to smearing.

Oven Processing-



 Ovens- The variations in oven design are such that the processes are essentially steam driven. This coupled with the extremely dense loading patterns on the racks mean that the product is processed very wet throughout the fermentation and heat treatment. The extremely wet conditions do provide for more balance in the house as humidity tends to even out any imbalances; however, there is a price to pay on the negative side, which is increased risk of product grease-out under the casing. There was a significant amount of greasing observed, which leads to non-uniform drying and increased downgrades. Looking at this aspect only, it becomes management's call as to the trade-offs involved.



Ph Control/Testing- Currently, pH samples are pulled from the front of the house and depending on the pH drop a house may be sampled once, twice, or less likely, three times during fermentation. With at least four blends per house. not all blends are verified for pH meeting the critical limit. Since the blend is

the lowest denominator for control, each blend should be tested. When the houses are loaded, a "blend stick" could be placed at the front of the house with pieces representing all blends in that oven. This way, each blend is accessible for testing.



There was concern about the increased testing load and time involved with this proposed verification method. A portable pH meter could be used to evaluate the method/results as compared to the current slurry method. http://www.analyticon.com/analyticon/products/laboratory/HM17MXMetoxymain.htm



Temperature Uniformity- Given the current load densities on the racks, the product is packed together and there is minimal space for air transfer between the pieces/sticks. The internal temperature probes are placed in pieces at the front of the oven out in the open air-stream. Does this adequately represent the product in the middle of a densely packed rack? Management needs to have validation on file that shows the target internal temperatures are being achieved throughout the mass of the house. Data-Trace probes can be a very useful tool to plot the internal temperature curves. http://www.masy.com/data-logger



o pH Targets- The current control point is to achieve a pH of 4.64 or less in fermentation before commencing the kill step. The pH continues to drop until the bacteria is inactivated and finished product pH's are typically in the range of 4.2-4.5. While this may be a management/marketing decision to be in this range there may be some opportunity to raise the pH limit to something like 4.7 or 4.8 and shave off some fermentation time. This would need to be tested to verify you are still finishing in a desired range for finished product and that you meet other quality and HACCP related criteria. This is also dependent upon all blends reaching the control point as described earlier. The optimum pH for sausage to give up water is approx. 4.6, so finishing at a little higher pH may have a slight positive impact on drying as well.



- o Fermentation Abnormality SOP- It is recommended that a written SOP be developed for handling process irregularities and failures. There are potentially many reasons why a product may not ferment properly. Having a protocol established on what to do, what to test, corrective actions to take, etc. can be a useful tool. It was learned that no sampling has been done on fermented product for C.P. Staph and this would be important to test for in any abnormal fermentation in order to assess product safety. I will provide an example SOP for consideration.
- Dry Rooms- Overview- The dry rooms offer multiple challenges. The "slow rooms" are not designed for adequate air volume or distribution to handle the product load. There is a severe mold problem in the plant which we learned was enhanced by the increased volume and the hot/humid conditions over the summer.

The plant is still trying to get out from under the problems associated with this situation. That being said, there needs to be a full court press on dealing with the mole. Responses can be:

Additional floor fans to create turbulence

Spreading product out to increase airspace/reduce load

Moving product to fast rooms

During observations, some fans were not running, fresh product was being loaded into problem sections, and there was concern that one room (7) was not operating at optimum (75-80% RH for 2 days). There was no good way to verify what room set points were or whether they were being achieved in the slow dry rooms.

Ory Room Controls-New control systems need to be installed in the slow rooms to adequately measure and control required conditions. This should be a high priority. Control systems in the fast rooms need to be closely monitored to assure set points are being met and the rooms have the required response time capability.

 Air Flow- Prem is addressing testing protocol in #4 (VFD and increased air volume- See Prem's report.)

o Space @ rear of sections- the hand loading of the bays means that there is open space at the rear top and middle product layers to facilitate loading access. This space is more than what would be generally needed and it was suggested to add a few sticks at the rear in DRM 9 A & B to the equivalent of one more rack capacity per bay. This would be tested and monitored closely to assure the rooms can handle the additional load and that drying is not compromised.

O Dry Room Monitoring- Currently several people and departments are involved in the dry room function and operation. What is lacking, I believe, is a coordinated effort to manage, monitor, and optimize the drying conditions in the rooms. This is where a dedicated process control person(s) would be of tremendous value. Given appropriate and accurate measuring systems, one can evaluate the dry room operations to assure they are meeting set points and that product is put in proper locations, and products are drying per expectations. If conditions are not right, corrective actions can be implemented. Obviously, variability in means more variability out, given the current design and limitations of the process. However, reducing variability at every stage possible will improve plant performance.

Moisture-Protein Ratio vs. Firmness- The current practice is to release the product for packaging once it reaches the moisture-protein ratio specification. This varies significantly within the lot due to the inherent variability from fat control to oven process to dry room differences. In order to reach the firmness target and slice separation, the product must be dried further, and given the variability, it is not uncommon to see M/P ratios on pepperoni range from 1.0 to 1.5:1 at pack.

X

Drying product down that far is resulting in very large yield losses, not to mention the variability of product sent to the customer. One primary reason for the softness at release is the high pork content. This begs the question that if the product was formulated with a higher percentage of beef, would the product be firm enough at higher M/P ratio? Would the increased finished yield more than make up for the higher cost of formulation? The higher beef content would also facilitate processing, reduce greasing, and ultimately reduce variability. This question is something to consider and costs should be looked at, tests run, etc. (another prime reason for a process control function).

One drawback to this approach is that the formulation conveyor is very limiting in terms of the number of vats that can be staged. The more allowable raw material types, the more the juggling of vats results. Given the design and floor space, the formulation conveyor is very limiting in flexibility.

Additional Misc. Comments on Sanitation/GMP's-

 Rack of product staged at floor foam sanitizer station. Foam sprayed onto wheels and frame of rack.

o Racks of product staged at battery charging area- non product zone.

Water on floor in pack room and aisle ways- the water from the shower cabinets provides water and aerosol to a large area in the pack floor. This water gets tracked around and presents an environmental challenge for pathogen control. While the floor results are good regarding control of Listeria, the constant wet conditions present a difficult issue to manage, as there are no drains in the immediate area.

The ultimate goal is to eliminate the water sprays altogether. Short of that, reduced water flow, pressure, and frequent floor sanitizer applications may help.

Summary- While overall, the products looked good, the major opportunity is to reduce the process variability. This ultimately results in over-dried product and substantial loss of yield, not to mention inconsistent quality delivered to the customer. Over drying is the reaction to soft textured product of high pork formulation, characterized by huge variations in fat content and drying rates. This certainly is nothing new to your organization. You have been accommodating a process with severe limitations. Perhaps the ideas and controls discussed in the plant review may be useful in gaining more control and reacting to process deficiencies.

Let me know if you have any questions regarding this information. Thank you for the opportunity to work with your organization.

Stan Seavey, Food Safety & Quality Consultant Process Quality Consulting, LLC

	The state of the s							
	Valdation of Smokehouse Temperatures throughout house to			Jīm	M 1 Temperature Checks / Procedure / Probes	\$ 10	4.2 SS	Fermentation
	Need Portable Meter	10/12/12		Jim	M 1 Ph Control / Measurement	00	4.1 SS	Fermentation
					× × × PROCESS CONTROL	×	4.0 ×	Fermentation
	After Completion and evaluation of items above.			Keith	H 3 Fermentation Cycle Option Testing	S 7	3.1 SS	
				Keith	M 1 Loading Density & Balance - Options to Eliminate touching product	5 7	3.0 SS	-
				Chris	M 2 Training: Calibration / Balance / Etc ALKAR	2 13	2.0 P2	Fermentation
				Chris	M 2 Training: Calibration / Balance / Etc MARLEN	2 13	2.0 P2	Fermentation
				Chris	L 1 3rd Party review - Alkar	P2 14	1.0 P	Fermentation
				Chris	L 1 3rd Party review - Marlen	2 14	1.0 P2	Fermentation
	Add new occilating fans in slowest slow rooms. Combine parts from remaining fans for remaining houses.	10/19/12		Chris	SS 14 L 1 Fans Not Working	6	9,0 P2	Dry Rooms
		11/30/12		Chris	SS 16 M 2 Control System / Process / measurements - Wet/Dry Builb	P2 7	8.4 P	Dry Rooms
	How often does this happen?	11/19/12			L 1 #7 at 75-80% Relative Humidity	SS 15	ω ω	Dry Rooms
	See above.	11/19/12			M 1 Who is monitoring, recording, and controlling	2 8	8.2 P	Dry Rooms
	Define Role / Determine Need	11/19/12		Paul R/Paul S	SS 18 M 1 Pracess Control Position	2 11	8.1 P2	Dry Rooms
					DRY ROOM PROCESS CONTROL		8.0	Dry Rooms
	Create a method to empty/replace zones - specifically Room #9.	11/02/12		Keith/Kelvin/Ra ndy	M 2 Zone by Zone Loading Process	12	7.0 P1	Dry Rooms
	Create a testing protocal by 10/12 - complete testing by 11/2.	10/12/12		Paul R/Jim	H 3 M:P Curve for 1 product (29319) high frequency testing.	25 4	6.0 P	Dry Rooms
	This is already in place. Need to create an evaluation of room performance.	10/19/12		Keith/Paul/Chris	SS 17 M 1 Loading Density - Increase #9A - 9B	P2 1	5.0 P	Dry Rooms
		11/05/12		Gary/Paul R/Chris	H 3 Management / Improvement / Upgrade Plan	2 9	1.1 P2	Dry Rooms - Slow
Ì					M 4 Plan to convert slow to fast (CAPEX)	O.	4.1 P1	Dry Rooms - Slow
					M 3 Model Dry room space requirements @ 15% faster dry time.	L/I	4.2 P1	Dry Rooms - Slow
		11/05/12		Chris / Jim	M 1 Blast Chiller Temperature Impact on Dry Room Defrost Cycles	2 2	2.1 P2	Dry Rooms - Slow
	Looked at it briefly. Need to see if we can get longer	11/05/12		Chris/PD	M 2 Defrost Cycle / Faster De-Humdification	P2 5	2.0 P	Dry Rooms - Slow
	Chris already changed ratio of sheaves-checking with mfg to see If VFD could be added	11/05/12		Chris	L 1 Increase Fan Speed (capacity of ref. unit fans)	P2 2	1.3 P	Dry Rooms - Slow
		11/05/12		Chris	SS 13 L 1 Large Fans for Testing (DR #4) / Increase Product Spacing	P2 3	1.2 P	Dry Rooms - Slow
		12/03/12		Chris	H 1 Increase air flow CFM & FPM to target 15% reduction in dry time	נין	1.1 P1	Dry Rooms - Slow
		11/30/12		Gary	H 3 Moisture Removal Gradient (Temp / Humidity)	1 2	1.0 P1	Dry Rooms - Slow
7		01/04/13		Keith/Chris	× CONSOLIDATE SLOW ROOMS TO REDUCE BY 1	P1 5	70	Dry Rooms - Slow
Date Completed	Contaments	Due date:	Status	Person	# ALTIONALIA	4:	an Southon	Category
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Category	*	Source	**	Source	de	DIFFICULTY	YTIROSH	Topic	Person Responsible	Status	Due date	Comments	ojed valgmoj
Formulation	1.0	P2	5	SS	ω		×	FAT % MIX / MATCH CONTROL	Keith/Kelvin/Ra			Get Kelvin & Randy involved in solution.	:p
Formulation	1.1	×	×	×	×	3	₽	Fat % Mix/Match Control - Raw Ingredients	Jim/Don/Mike		10/19/12		
Formulation	1.2	S	4			Z	₽	Fat % Control - Use of Anal Ray on Frozen	Jim		10/12/12	Under review, machine cost ~50,000. Requires shielding.	
Formulation	1.3	S	U	<u> </u>			1	Process - 2nd shift formulating from Memory	Keith/Kelvin/Ra		- 1	New Formulation Forms (Auger) will address this.	
Formulation	2.0	2	9			_	O.	Final Grind over emulsification	Chris		12/31/12	New Grinder on Order.	
GMP	1.1	S	20			-	ㅂ	Racks Staged in Foamer	Keith/Jim		10/12/12	Jim to create solution - Keith to enforce.	
GMP	1.2	2	10	SS	21	-	₽	Racks Staged in Battery Charging / Wash Cabinet Area	Keith/Jim	\perp	10/12/12	and the state of t	
GMP	2.1	SS	2			_	l-y	Rework age limit	Jim		10/12/12		
GMP	2.2	P.1	#				6−2	Rework Storage near Dry Rooms	Keith/Jim		10/12/12		
GMP	2,3	2	12			_	1	Rework usage / batch = limits	Keith/Kelvin/Ra		10/12/12		
GMP	3.0	P2	17		L.	Z	1	Procedure for Mold control / clean up.	Keith/Jim/Kelvin /Randv		10/17/12	Clean dry rooms being repaired while they are empty. Investigate	
GMP	6	SS	12	_	┺	₹	N	Sampling for CP Staph / Abnormal Fermentation / HACCP Procedure	Jim		10/19/12	Change HACCP procedure for Abnormal runs to test for pathogens before Kill Step	
Handling	1.0	12	ω			₹	ω	JIT Transfer from Dry > Stage > Chill > Slice	Keith / Mike		10/17/12	May not complete JIT transfers, but planning needs to tightened up in order to ensure rack availability when adding additional smoke house capacity.	t
Handling	1.1	12	1	╙	╙	_ ₹	L/s	Wrap staged product to reduce yield loss	Keith/Paul·R			Is this useful if we start turning racks faster?	
Peeling	1.0	공	12	SS	22		×	REDUCE WATER USAGE AT PEELING	Keith		10/19/12		Ň.
Peeling	_	. 2	ch		<u> </u>	-	N	Spray Systems	Keith/Chris		10/12/12	Schedule Spraying Systems to plant week of 10/8	
Peeling	1,2	2	60		_	۳-	N	Water Vapor method	Kelth/Chris		10/12/12	Get details from Prem	
Peeling	1,3	×	×	×	×	Ξ	ω	Dry Peel Casings	Keith			Vista Starting Test (Stuffing) week of 10/8	
Product	10	SS	19			, ∓	ω	M:P vs Firmness - more beef?	Gary/Jehan/Keit h		12/03/12	Run tests - after other process variables are tightened.	
Product	2.0	_	_			<u> </u> =	N	Firmness / Hardness Testing / M:P Correlation			12/14/12	Hardness Meter on order	
Product	2.0	SS	12	1_	L	Ξ	u	Ph Target evaluation	Gary/Jehan/Jim		12/14/12	Run tests.	
RAW	0	SS	<u> </u>	<u> </u>		ᄕ	12	Raw Material Rancidity / Age Limit	Jim		10/19/12	Establish firm sensory (visual / odor) requirements	
Slice Yield	1.0	呂	7	ļ.,.		_	4	large Diameter - Weber Slicer - Gripper re-design, or ?	Gary/Keith/Paul R		12/03/12		
Slice Yield	2.0	2	00				۲,	Small Diameter - Pre Docking?	Gary/Keith/Paul R		12/03/12	Can we get a docker to try?	
Stuffing	10	_	_	ļ	_	_	×	CLIPPER EFFICIENCY / UPTIME	Mark / Keith / Chris		12/03/12		
Stuffing	<u>13</u>	2	16	SS	0	Z	100	Start / Stop of stuffer creating smear - run at constant ideal speed	Mark / Keith		12/03/12		
Stuffing	1.2	ـــ	_	_	_	ļ <u>-</u>	12	CLIP & LOOP Receiving Standards	Mike / Kelth / Chrls / Kelvin				
Stuffing	13	\vdash	╙			3	12	Clipper Mechanical Issues - Spare Parts / Tolerances / PM's	Chris / Keith /				
Tools	1.0	P2	15	SS	9		12	Velometer, Ph Meter(www.analyticon.com), Humidity, Temperature (www.masy.com)	Jim		10/19/12	Chris &/or Jim to get prices.	

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to my plat report.
- Application of the programming party better Autogramment and Employed and Amorphism
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From: Date: "Stan Seavey" <sjseavey@grics.net> Tuesday, September 25, 2012 8:14 PM

To:

"Jehan Saulnier" <JSaulnier@liguriafood.com>

Cc:

Attach:

Process Control Technician.doc; SOP-Process Abnormalities.doc

Subject:

Process Control & Process SOP

Jehan,

Attached are two documents which concern Process Control and process abnormalities. I mentioned these in my trip report. These are just examples that you may use to craft your own documents regarding these issues. As Prem indicated in his report, a defined Process Control staff is highly recommended to help monitor and evaluate processing parameters and assist in process optimization. The major advantage a person in this role can provide is a continual product-process focus that is lacking. The second document is a SOP on process abnormalities. This again is an example of how the plant would respond in product safety issues relative to fermentation/heat treatment. You would want to customize these to your operation and include more specific detail on standard pH time/temperature degree hours for your culture and process, etc. I hope these may be of use to you as you develop your own controls and documentation. Thanks.

Stan Seavey

Process Control Technician

Description:

The Process Control function has the responsibility to monitor control points and manufacturing conditions within the plant to assure product is being made according to specified instructions. This function will assist operations management, Quality Control, maintenance, and hourly personnel in providing technical support and process optimization.

This person provides a technical oversight of the entire manufacturing operation and must have the ability and authority to take appropriate notification action with operations and QC to assure compliance to procedures and operating conditions.

Reports To:

The Process Control function reports directly to the quality function with a dotted line to operations management.

Responsibilities:

- Monitor control points throughout the manufacturing process from raw material up to packaging.
- Assist in training line employees on how to measure and document their own work processes.
- Coordinate all plant testing regarding process variables.
- Evaluate product in-process to assure optimum conditions are being achieved.
- Provide operations management with problem-solving expertise on processes and problem products.
- Evaluate defective and downgraded product to determine corrective actions.

Standard Operating Procedure: Process Abnormalities

Scope:

Control of the fermentation of dry sausage is critical to the safety of the product. When a smokehouse operator observes process abnormalities he must be able to assess the nature of the problem, notify appropriate management staff, take necessary steps to minimize any negative effects, and collect samples for possible follow up testing. Such process abnormalities may include mechanical malfunctions of the oven, failure of the product to achieve targeted pH in the specified time, power failures, water leaks, or the like.

Inability to maintain controlled conditions:

If the temperature is uncontrolled and the dry bulb exceeds set point by 5 degrees or more for an hour or greater, the house must be shut down. Product may be moved to another smokehouse to continue the process. After the product pH reaches 5.3 or below, collect 15 samples from the house to be tested for C.P. Staph.

Failure to reach targeted pH in prescribed time:

If the product pH is not dropping per normal scheduled time range, determine if the problem is with a specific blend, or a range of pH's within each blend or with multiple blends in the house. If the problem is with a specific blend only it may be the result of a formulation issue, culture issue, or salt/spice/carbohydrate issue. Normal blends may be isolated in order to continue the process. Blends not reaching pH targets will be sampled for C.P. Staph as above.

Power failures:

If a power failure occurs in the fermentation cycle before the pH has reached 5.3, keep the house closed and monitor surface temperatures at the upper levels of the house to assure temperatures are below upper limit for the culture growth. If temperatures exceed the criteria take action to lower temperatures if possible such as opening doors or moving product to another location. If product temperature exceeds set point by 5 degrees or more for an hour or greater, collect 15 samples to be tested for C.P. Staph.

Water leaks:

Showers may leak on product for an extended time during the fermentation or heat process, or there may be an overflow of the wet bulb reservoir that leaks onto product. These can be hazardous in that they leach out salt from the product and may create conditions for growth of undesirable organisms such as yeast or coliform bacteria. Such product must be identified and isolated for possible further testing to determine acceptability.

Other:

If any off-color product is observed such as brown streaking, or off-odors are detected, notify management and determine if it is associated with a particular blend(s), formulation, or oven. Take appropriate investigative samples for testing and collect samples for possible microbiological analysis prior to the heat-treatment step.

Process data she	red
Ley Ligaria with m	Communicate and the
during plant w	reit.
er 19 de nom, vour d'ânser-re; manifereur pannois (1916 der miner passable mes vous deblemmente de bille beraur 1827 de me com	
FY Tither commanded must be copped as Transmiss for our age of an apply of which, we again to be greatered managed on the American	

4 43 115 12 12 12 12 12 12 12 12 12 12 12 12 12	· ·
Total Ibs (Avg) 130,234 143,257 143,257 143,257 175,815 179,071 117,210 107,443 130,234	
Ibs/ piece (Avg) (Avg) 4.845 4.845 4.845 4.845 4.845 4.845 4.845 4.845 4.845	2
Total lbs (Dry) 107,254 117,976 117,976 117,976 147,770 96,526 88,482 107,251 150,152	1.345.003
Ibs/ piece (Dry) 3.99 3.99 3.99 3.99 3.99 3.99 3.99 3.9	
Total lbs (Fresh) 153,216 168,538 168,538 168,538 206,842 210,672 137,884 126,403 153,216 214,502	1,922,861
(Fresh) 5.70 5.70 5.70 5.70 5.70 5.70 5.70 5.70	·
Pleces 28,880 29,568 29,568 29,568 36,288 36,288 36,388 22,176 22,176 26,880 37,632 37,632	337,344
<u>6</u> 80 80 80 80 80 80 80 80 80 80 80 80 80	
Strcks 3,360 3,896 3,696 3,696 4,536 4,520 3,024 2,772 2,772 2,772 4,704 4,704	42,168
Sticks/ Rack Rack 28 28 28 28 28 28 28	
Racks 120 132 132 132 165 108 99 120 168	1,506
70 00 00 00 00 00 00 00 00 00 00 00 00 0	
Bays 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	502
Room type Slow Fast Fast Slow Slow Slow Fast Fast Fast Fast	
Dry Room Room 1 Room 2A Room 2B Room 3 Room 5 Room 6 Room 6 Room 7 Room 9A Room 9A	Total

Name: Pepperoni EFFECTIVE DATE:

03/13/08

FORMULA #: 19319 REVISION NO:

Used for: Pepperoni

Pepperoni	19319 Pepp. Sliced
	19357 Pepp short stick(vac stick) DELALLO
	19335 Pepp special sliced 4/5

INGREDIENTS: Pork, Beef, Salt, Spices, Sugar, Lactic Acid Starter Culture, Extractive of Paprika, Garlic Powder, Spice Extractives, Sodium Nitrite, BHA, BHT, Citric Acid

MEAT BLOCK:	BLOCK	Code
Beef XF	120	
80% Pk Trim (Fz)	420	
Combo Pk 80%	1910	
Total	2450	

		· · · · · · · · · · · · · · · · · · ·
Water	3 qts.	
Culture	250 grams	

SPICES TO BE ADDED:		
Pepp Spice	33.075 x 2	Griffith 0170975-00
Salt	60	
Cure	14	Griffith 032-0096
		·
	2550 24	
Total	2550.2#	

Trimming, Grinding, Mixing, Injection, Stuffing Procedures:

- 1.) Grind meat through 2 mm plate
- 2.) Add spice salt, cure to ground meat as it goes up the belt to mixer.
- 3.) Dilute culture 250 gr to 3 qts water.
- 4.) Mix for 4 min.
- 5.) Transfer to 350# Vemag tubs. 7 tubs per blend.
- 6.) Stuff into casings.
- 7.) Move to smoker

WIP	Product Description	Casing Size:	Casing Code:
19329	BAYER	1 X 51	60470JCLC0515

LIGURIA FOODS, INC.

19329	Bayer 1 x110' Shirred	1 x110'	6048JCLA0110
19357	DELALLO BAYER	1sx110'	60450DCLN0110
19335	BAYER	4/5Lx54	60390ACLA0110

Equipment Specifications:

majority and a page 1400	191191		
Horn Size:	28 mm	Twists:	·
Chuck Size:	28 mm	Target Stuff Wt.:	5.7#
Stuff Length:	48 Inches	Hanger length apart:	2 inches
19335 4/5	22 mm	3.0 #	48 inches
DELALLO 19357	22 mm	PRINTED 1S X 110' 2.2#	20 inches

Smoke Mixture Specifications:

Amount of Water:		Dwell Time:	
Amount of Smoke:	NA	Type of Smoke:	
Amount of Citric Acid:		Target pH:	4.6
Natural Smoke	NA		

Cooking/Drying Procedure Description:

Cook Cycle:

Time	Dry Bulb	Wet Bulb	% Relative Humidity
SEE SMOKEHOUSE SCHEDULE			

Finished Temperature

Storage: Dryroom for ca. 15 days at 55-60 wet/dry bulb temperature until M:P<=1.6:1. Heat treat to 135F internal for 15 min.

Approved !	Зу:		
Operations:_	<u>.</u> .	 W	

Quality Assurance: Jim Whitham



PC5000 Print Program Review

Program# 1: 19319 Pepp HT HighT

	TYPE	EVENT	TIME	INT	DRY	WET	% RH	SMOKE	DWEL	DAMPER	OPTION	FAN
	COOK		180	0	110	107	90	NONE	0	AUTO	Н	0
2	COOK		480	0	111	108	90	NONE	0	AUTO	Н	٥
3	COOK		300	0	114	110	88	NONE	٥	AUTO	H*	0
4	COOK		30	0	132	130	94	NONE	0	AUTO	H*	0
5	COOK		120	137	150	142	80	NONE	0	AUTO	H*	0
6	COOK		20	0	140 :	140	100	NONE	0	AUTO	H*	0
Z	COOK		5	0	30	0 '	0	STEAM	0	AUTO	1	ō
8	C SHWR	146	120	80	1	4 ,	0	NONE	. 0	AUTO	-	o l
9	COOK		180	0 :	80	0	0	NONE	0	AUTO :		0

Link1: NONE Link2: NONE

EVENTS

1 = Reverse Internal

2 = Refrigeration Dry

3 = Refrigeration Wet

4 = Fan On

5 = Intermittent Fan

6 = Intermittent Shower

OPTIONS

A = Auto Damper O = Open Damper

C = Closed Damper H = Humidity

1 = Output 1 2 = Output 2 3 = Output 3

* = Hold and Maintain

= Hold and Minimize

S = Require Supervisor Password for Hold

I = Require Internal Temperature for Hold

P

Production Lot:	Production Batch:		Moisture	Protein	M:P	Fat	Salt	рН
2012205	192847	8/1/2012	32.98	21.8	7 1.51	37.64	3.56	4.5
2012198	192847	8/1/2012	28.64	23.1	5 1.24		3.62	4.4
2012206	192848	8/2/2012	30.41	22.1	3 1.37	40.32	3.83	4.4
2012206	192849	8/3/2012	30.41	22.1	3 1.37		3.83	4.4
2012207	192849	8/3/2012	28.96	21.99	9 1.32	41.94	3.51	4.34
2012207	192850	8/4/2012	28.96	21.99		41.94	3.51	4.34
2012206	192852	8/6/2012	30.41	22.13		40.32	3.83	4.4
2012206	192852	8/6/2012	30.41	22.13		40.32	3.83	4.43
2012209	192853	8/7/2012	28.66	22.67		41.03	3.93	4.33
2012209	192853	8/7/2012	28.66	22.67	+	41.03	3.93	4.33
2012207	192854	8/8/2012	28.96	21.99		41.94	3.51	4.34
2012210	192854	8/8/2012	28.86	22.65		40.59	3.83	4.26
2012210	192854	8/8/2012	28.86	22.65		40.59	3.83	4.26
2012212	192855	8/9/2012	31.46	22.49		38.28	3.13	4.37
2012212	192856	8/10/2012	31.46	22.49		38.28	3.13	4.37
2012213	192856	8/10/2012	31.24	22.59		37.98	3.84	
2012208	192857	8/11/2012	33.8	21.27	1.59	38.33	3.41	4.37 4.43
2012214	192857	8/11/2012	28.51	22.58	1.26	40.65	3.46	
2012208	192859	8/13/2012	33.8	21.27	1.59	38.33	3.41	4.25
2012217	192859	8/13/2012	32.53	22.43	1.45	37.33		4.43
2012216	192860	8/14/2012	32.08	22.43	1.45	37.45	3.98	4.4
2012217	192860	8/14/2012	32.53	22.43	1.45	37.43	3.88	4.48
2012212	192861	8/15/2012	31.46	22.49	1.45		3.98	4.4
2012213	192861	8/15/2012	31.24	22.59		38.28	3.13	4.37
2012217	192862	8/16/2012	32.53	22.43	1.38	37.98	3.84	4.37
2012219	192863	8/17/2012	30.33	21.16	1.45	37.33	3.98	4.4
2012220	192863	8/17/2012	28.35	22.88	1.43	41.72	3.57	4.39
2012221	192863	8/17/2012	30.51	22.84	1.34	40.69	3.61	4.38
2012219	192866	8/20/2012	30.33	21.16	1.43	38.74	4.25	4.31
2012220	192866	8/20/2012	28.35	22.88		41.72	3.57	4.39
2012217	192866	8/20/2012	32.53		1.24	40.69	3.61	4.38
2012220	192867	8/21/2012		22.43	1.45	37.33	3.98	4.4
2012221		8/21/2012	28.35 30.51	22.88	1.24	40.69	3.61	4.38
2012222		8/22/2012	25.81	22.84	1.34	38.74	4.25	4.31
2012222		8/23/2012		23.89	1.08	41.94	4.97	4.18
2012223		8/23/2012	25.81	23.89	1.08	41.94	4.97	4.18
2012221			29.22	23.34	1.25	38.46	4.5	4.27
2012223		8/23/2012	30.51	22.84	1.34	38.74	4.25	4.31
2012223		8/24/2012	29.22	23.34	1.25	38.46	4.5	4.27
2012226		8/24/2012	29.22	23.34	1.25	38.46	4.5	4.27
2012224		8/25/2012	27.68	23.41	1.18	41.22	4.83	4.37
2012227		8/25/2012	26.66	23.55	1.13	41.65	4.29	4.39
2012228		3/27/2012	27.74	23.22	1.19	40.85	4.16	4.31
2012229		3/28/2012	29.77	21.41	1.39	39.45	4.87	4.47
2012229		3/29/2012	24.29	24.33	1	42.64	4.14	4.35
		3/29/2012	27.74	23.22	1.19	40.85	4.16	4.31
2012226		3/30/2012	27.68	23.41	1.18	41.22	4.83	4.37
2012233		3/30/2012	29.2	22.21	1.31	41.11	4.8	4.31
2012229		/30/2012	24.29	24.33	1	42.64	4.14	4.35
2012213		/31/2012	31.24	22.59	1.38	37.98	3.84	4.37
2012229		/31/2012	24.29	24.33	1	42.64	4.14	4.35
2012234	192877 8	/31/2012	33.06	21.09	1.57	38.41	4.35	4.43

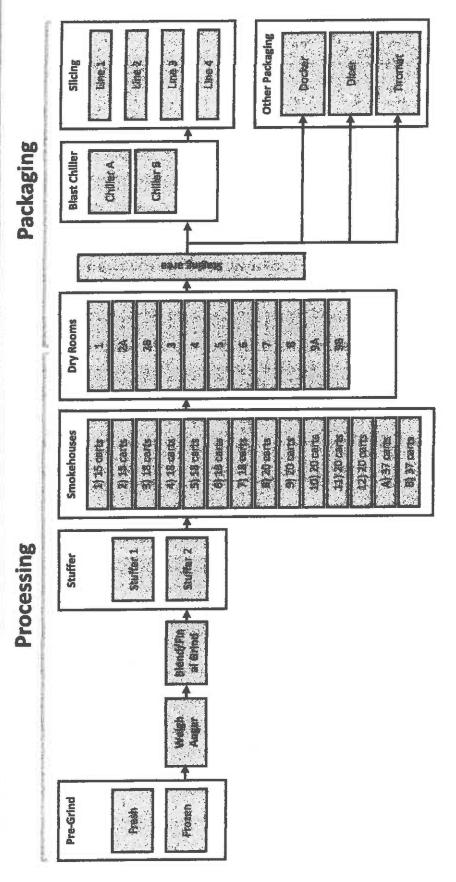
ProdNur	Description	Targetwit Wip Code	Wip Dang	Sum of Netwo	Total Days	Dry Room Days Type	% Туре	Calc days Days Grap
3800	FOR FURTHER PROCESSPeeled Papperoni BIG MAMAS & PAPAS SLICED PEPPERONI 2/12.5#	1703 29329 & 29 25 29385	319 Bulk Sticed Peoperant Great Kitchens	3,086.0	18.5	17 5 Main Papp	0.09	6 0.01 17 days
3610	TESOROSticed Pepperoni 2/10#	20 29387	Gretifica Papperoni	18,089.3 1,285.0	17,6 17.6	16.6 Main Papp 16.6 Main Papp	0.29	
3820	AQUILA D crosticad Pepparoni LIGURIA DICED PEPPERONIZS#	25 29329 & 29; 25 29319		3,000.6	17.4	16.4 Main Papp	0.09	0.00 16 days
D1651	LIGURIA SLICED PEPPERONI	25 29329 a 293	Diced Pepperoni 19 Bulk Sliced Peoperoni	7,190.9 3,390.4	15.2 15.0	14.2 Main Pepp 14.0 Main Pepp	0.19 0.0%	
35066 \$0062	LUIGI-PEPPERONI SLCD14-15 CT 4/5# BAGS FONTE ARGENTO WESTSHORE PIZZASficed Pepperoni	20 29387	Gratifica Pepperoni	8,052.7	14.0	13.9 Main Papp	0.0%	
30027	BY-GEORGE SLICED PEPPERONI 12 COUNT	10 29329 & 293 10 29329 & 293		19,114.9	14.8	13.8 Main Papp	0.2%	0.03 13 days
30031	NINOS SLICED PEPPERONI	10 29329 & 293		3,998.9 16,180.5	14.8 14.8	13.8 Main Peop 13.6 Main Peop	0.0% 0.2%	
92136 35024	IMPERO SLICED PEPPERONI DELALLO SLICED PEPPERONI 2/5#	25 29929 & 293		18,947.8	14.6	13.6 Main Papp	0.2%	0.03 13 days
35001	SANSONE Sticed Perperent 2/5#	10 29329 & 295 10 29329 & 293			14.4 14.4	13.4 Main Pepp	6.1%	0.02 13 days
92145	BEL CAPRISLICED PEPPERONI 2/5#	10 20920 2 202	19 Gas Flushed Sliced Peppero		14.0	13.4 Main Pepp 13.0 Main Papp	0.2%	0.02 13 days 0.02 13 days
30078	LIGURIA STICK PEPPERONI COMBO Peeled For Further Processing INDIGO SLICED PEPPERONI 2/5# GF	1512 29329 & 293 10 29387	19 Bulk Silced Pepperoni Gratifica Peoperoni	6,982.0	14.0	13.0 Main Papp	0.1%	0.01 13 days
34048	Antonios Silicad Papparoni 4/5#	20 29387	Gratifica Popperoni	2,890,0 1,068.9	14.0 14.0	13.0 Main Papp 13.0 Main Papp	0.0% 0.0%	0.00 13 days 9.00 13 days
30072 38176	GRATIFICA Diced Gratifica Pepperoni 1/4 Inch GRATIFICA SLICED PEPPERONI12 CT 2/5# GAS FLUSH	10 28387	Gratifica Papperoni	60.0	14.0	13.0 Main Pepp	0.0%	0.00 13 days
30070	LIGURIA DICEO PEPPERONIGAS FLUSH 2/6#	10 29329 & 2931 10 29319	9 Gas Flushed Sijced Pepperor Diped Pepperori	¥ 4,151.4 970,8	13.9	12.9 Main Papa	0.0%	0.01 12 days
38068	LISANTISLICED PEPPERONI 2/10#	20 20387	Gralifica Pepperoni	11,436.3	13.9 13,8	12,9 Main Papp 12.6 Main Papp	0.0% 0.1%	0.00 12 days 0.01 12 days
35049	Venezias Sliced Papp 2/12.5# LIGURIASRood Papperoni 12 (2-1.5#)	25 29387 36 29329 & 2931	Graffica Pepperani	6,045,1	19.8	12.6 Main Peop	0.1%	0.01 12 days
36104	LUIGI-PEPPERONI SLODIRREGULAR 25 LB BAG	25 29329 & 2931		10,833.6 2,201.2	13.7 13.7	12.7 Main Pepp 12.7 Mein Pepp	0.1%	0.01 12 days
35015	BELLISSIMO SLICED PEPPERONI 2/12.5#	25 29329 & 2931	9 Bulk Sliced Papparoni	17,121.5	13.8	12.8 Mein Pepp	0.0%	0.00 12 days 0.02 12 days
38038	BELLISSIMO SLICED PEPPERONI 13 CT MAZZELLAS SLICED PEPPERONI	10 29329 & 2931 25 29329 & 2931		9,746,4	13.6	12.6 Main Peop	0.1%	0.01 12 days
36029	RED BRICK PIZZAGOURMET SLICED PEPPERONI	25 29329 & 2931		3,768,5 6,467.6	19,6 15.5	12,6 Main Papp 12,5 Main Papp	0.0% 0.1%	0.00 12 days 0.01 12 days
38078	LIGURIASTICED Pepperoni 25#	25 29329 & 2931	Bulk Shoed Pepperoni	15,811.2	13.4	12.4 Main Papp	0.2%	0.01 12 days 0.02 12 days
92235	ROTOLOS PIZZERIA. 2/12.5# 13CTSLICED PEPPERONI ANTCHINI BROS.SLICED PEPPERONI	25 29329 & 2931		17,583.0	13.3	12.3 Main Pepp	0.2%	0.02 12 days
30048	IARI FOODSSiiced Papperoril 10#	10 29329 & 2931 10 29329 & 2931		10,497.1 4,747.3	13.3 13.2	12.3 Main Pepp 12.2 Main Pepp	0.1%	0.01 12 days 0.01 12 days
92229 I	SELLISSIMOSLICED PEPPERONI 12 COUNT	25 28329 & 29319	Bulk Sliced Papperoni	10,767.6	13.1	12.1 Meta Papp	0.1%	0.01 12 days 0.01 12 days
91652 1	ROMA-PEPPERONI DICED1/4" 10 LB BAG IGURIA SLICED PEPPERONI	10 29319 25 29329 & 29319	Diced Peoperoni	120,0	13.0	12.6 Main Papp	0.0%	0.00 12 days
35052 (Practifica Sticed Pepperoni2/5# GF	10 29387	Bulk Sliced Papperani Gratifica Pencuroni	18,152.6 4,188.7	13.0 12.0	12.0 Main Pepp 11.0 Main Pepp	0.2%	0.02 12 days 0.00 11 days
38096 F	NOMA-PEPPERONI SLCD THIN18 CT 2/12.5 LB BAGS	25 29329 & 29319	Bulk Sliced Papparoni	12,829.2	12.9	11.8 Main Papp	0.1%	0.00 11 days 0.02 11 days
30050 E	TEFANO SLICED PEPPERONI 2/5#GF ELLISSIMOSLICED PEPPERONI	10 29329 & 29319 10 29329 & 29319		12,748,5	12.0	11.0 Main Papp	0.1%	0.01 11 days
30133 J	ins Rezorback Sliced Peoperoni	25 29387	Gratifica Peggeroni	3,818.3 7,896.0	12.9 12.8	11.9 Main Pepp 11.8 Main Pepp	0.0% 0.1%	0.00 11 days 0.01 11 days
35015 E	ERKSSiliced Peopleroni 2/5# IONTEBELLOSLICED PEPPERONI 2/5# UNITS	10 29329 5 29319		2,851.5	12.8	11.8 Mein Pepp	0.0%	0.00 11 days
35018 F	AYS PIZZA SLICED PEPPERONI 2/5# LINITS	10 29329 & 29819 10 29329 & 29319		12,254.1 8,139.1	12.7	11.7 Main Papp	0.1%	0.01 11 days
36044 5	TRAW HAT PIZZA 2/12.58SLICED PEPPERONI	25 29329 & 29319		20,308.0	12.7 12.7	11.7 Main Papp 11.7 Main Papp	0.1% 0.2%	9.01 11 days 0.02 11 days
	OMA-PEPPERONI SLCD18 CT 2/5 LB BAGS INEOPREMIUM SLICED PEPPERONI	10 29329 & 29310		5,137.6	12.7	11.7 Main Papp	0.1%	0.02 11 days
38020 L	GURIASLICED PEPPERONI 2/12.6#	10 29929 \$ 29919 25 29329 \$ 29319		5,982.4	12.7	11.7 Main Peop	0.1%	0.01 11 days
36116 G	ratifica Strond Pepperoni2/10# 14ct	20 29387	Gratifica Papperoni	19,904.0 4,760,5	12.6 12.5	11.8 Main Pepp 11.5 Main Pepp	0.2% 0.0%	0.02 11 days 0.01 11 days
38095 S 38138 R	AHARA PIZZA Silced Pepperoni 2/12.5# lcos Silced Pepperoni14-15dl	25 29329 & 29319	Bulk Sliced Peoperoni	10,146.0	12.4	11.4 Main Peop	D. 1%	0.01 11 days
36028 L	JIGI-PEPPERONI SLCD14-15 CT 2/12.5# BAGS FONTE ARGENTO	28 29387 25 29387	Gratifica Pepperoni Gratifica Pepperoni	8,797.4 3,087 s	12.2	11.2 Main Pepp	0.1%	0.01 11 days
38069 Z	ORBAZ SLICED PEPPERONI 2/12.5# 14-18CT	25 29929 & 29319	Bulk Sticed Papparori	3,087,1 11,839,2	12.2 12.1	11.2 Main Papp 11.1 Main Papp	0.0%	0.00 11 days 0.01 11 days
30146 B	G LOUS PIZZASLICED PEPPERONI 2/12.5# 14CT	25 29329 & 20319	Bulk Silicod Pepperond	15,350.0	12,0	11.0 Main Peop	0.1%	0.01 11 days
38024 8	LLISSIMOSliced Peoperant 2/12.5#	20 29387 25 29329 & 29319	Gratifice Pepperoni Bulk Sliced Pepperoni	1,517.5 18.111.3	12.0	11.0 Main Papp	0.0%	0.00 11 days
92230 Bi	ELUSSIMOSLICED PEPPERONI	10 20329 & 20319	Bulk Sloed Papperoni	0,150,4	11.7 11.7	10.7 Main Pape 10.7 Main Pape	0.2% 0.1%	0.02 10 days 0.01 10 days
30048 M	NEOPREMIUM SLICED PEPPERONI 13CT NAL FULTON PRIDE SLICED PEPPERONI	25 29329 & 29319	Bulk Silced Pepperoni	17,836,1	11.6	19.6 Main Papp	0.2%	0.02 10 days
2496 Lt	BURIA SLICED PEPPERONI 2/5# 10 COUNT	25 29329 & 28319 10 29329 & 28319	Bulk Sliced Pepperoni Ges Flushed Sliced Pepperoni	12,135.8 15,508.3	11.4 11.3	10.4 Main Pepp 10.3 Main Pepp	0.1% 0.2%	0.01 10 days
91917 CI	REMOSA SLICED PEPPERONI CCONE SLICED PEPPERONI 14-16 COUNT	25 29329 & 29319	Bulk Sticed Pepperoni	19.143.2	10.9	9.9 Main Papp	0.2%	9.02 10 days 9.02 9 days
91979 Ci	MAR SLICED PEPPERONI	25 29329 & 29319 25 29329 & 29319	Bulk Sliced Pepperoni Bulk Sliced Pepperoni	4,309.5	10.0	9.0 Main Peop	0.0%	0.00 9 days
		W 50054 0 50010	Total	4,396.9 10,200,182.9	D.01	9.0 Main Papp	0.0% 100.1%	0.00 9 daya 12.53
			Total excl E&Pa	10,191,476.5			100.0%	12.53
ProdNum De	scription	Targetwt Wip Code	Weg Desc	Sum of Netwt Ave	rece of Dava Ave	rece of Days, Type	% Type Ca	lo days Days Grap
38060 RC	MAPEPPERONI DELI STICKSMKO 3.5 DIAM 2FC LLIES PROVISIONSSLICED DELI PEPPERONI 4/4#5CT	11 29340	Doli Papparoni Large Papp	105.6	38.0	37,0 Lg Diemeter	0.0%	0.00 37 days
30080 RC	MA-PEPPERONI DELI SLCD5-8 CT 8MKD 2.75 DIAM 10 LB	16 29341 10 29336	EX48 Papparoni Silond 4X48 Papparoni	751.3 160.5	36.0	36.0 Lg Diameter	0.0%	0.02 35 days
83028 TU	BBYSSiloed Herd Salami 4X(6#	20 29124	Silceri 6X48 Graffica BC	5,438.5	34.0 31.3	33.0 Lg Diemeter 20.3 Le Diameter	0.0% 0.3%	0.00 33 days 0.10 30 days
	TIMO SLI LG DELI 6X48 4/4# LNUT CREEK FOODSSilced 4X48 Deli Papperoni 4/5#	16 29341 20 29338	8X48 Pepperoni	3,049.6	2B.9	27,9 Lg Diameter	0.2%	0.05 27 days
34004 SL	CED DELI PEPPERONI 5 COUNT 4/4#	16 29338	Sliced 4X48 Papperoni Sliced 4X48 Papperoni	6,629.7 6,784.4	26.0 25.6	25.0 Lg Diameter 24.5 La Diemeter	0.4% 0.4%	0.11 25 days 0.11 24 days
95040 MR	. HEROSLICED DELI PEPPERONI SCT 2/5# MA-SALAM) HRD STICK2 PC	10 29338	Sficed 4X48 Pepperoni	3,248,5	24.0	23.6 Lg Diameter	0.2%	0.05 23 days
	POLIHARD SALAMI SPC	11 29278 18 29278	Gratifica BC Gratifica BC	2,374.3	24.7	29:7 Lg Diameter	0.1%	0.04 23 days
50001 HIL	LANDALE FARMSHARD SALAMI 3PC	16 29278	Gratifica BC	8.591.0 8,714.0	24.1 24.1	23.1 Lg Diameter 23.1 Lg Diemeter	0.4%	0.08 23 days 0.10 23 days
92053 GR	ATIFICA HARD SALAMI 3PC URIASTiced Dried Selemi 2/5#	16 29278	Gratifica BC	34.8	24.0	23.0 Lg Dlameter	0.0%	0.00 23 days
	biga InnSticed Hard Salami 2/5#	10 29336 10 28124	4X48 Hard Salami	3,475.4	23.6	22.6 Lg Diameter	0.2%	0.05 22 days
58809 DE	I SUCED HARD SALAMM COUNT 4-0# UNITS		Silced 6X48 Gratifica BC Silced 6X48 Gratifica BC	3,809.7 3,636.0	23.6 22.5	22.8 Lg Diameter 21.5 Lg Diameter	0.2% 0.2%	0.05 22 days
50016 BE	KSHARD SALAMI SPC	17 29278	Gratifica BC	4,191.5	22.4	21,4 Lg Diameter	0.3%	0.05 21 days 0.06 21 days
2678 SLI	URIA SLICED DELI PEPPERONI 6 COUNT 4/5# DED DELI PEPPPERONI 8 COUNT 4/4#		Sliced 40(48 Pepperuni	1,047.1	22.4	21.4 Lg Diameter	0.1%	0.01 21 days
30068 RO	MA - PEPPERONI DELI SLCD 8 CT 10 LB BAG		Sliced 4X48 Pepperoni Sliced 4X48 Pepperoni	3,639.1 503,2	22.0 21.9	21.0 Lg Diameter 20,9 Lg Diameter	0.2%	0.05 21 days 0.01 20 days
58002 RO	AA SLICED HARD SALAMI2/5# GF	10 29124	Sliced 6X46 Gratifica BC	190.0	20,0	19 0 Lg Diameter	0.0%	0.00 19 days
34022 WA	IMO SUPREMESLICEO GENOA SALAMI 4-4# Unite LNUT CREEK POCOSSIced 4X48 Dell Pepperoni 4/4#	16 29290 - 16 29338	Sliced AC Genos (6X48 Premix Sliced 4X48 Peoperoni	8,792.5	19.8	18.6 Lg Diemeter	0.8%	0.10 18 days
53010 FOX	S PIZZA DENSLICED HARD RALAMI 9/5#/0F		Diloed 4748 Pepperoni DK48 Hard Salami	7,138.8 7,184.1	19.4 18.6	18.4 Lg Dismeter 17.6 Lg Dismeter	0.4% 0.5%	0.08 18 days 0.08 17 days
40001 BEF	KS GENOA SALAMI 3 PIECES JRIADELI SLICED GENOA SALAMI 4/4#	17 29291	Gratifica AC Genne	3,494.2	17.5	18.5 Lg Diameter	0.2%	0.04 18 days
48011 LEC	NARDOS GENOA SALAMI 3PC		Silond AC Genos (6X48 Premits AC-AD Genos Salami	8,984.5	17.2	16.2 Lg Diameter	0.0%	0.09 16 days
44028 SHE	RENE GENOA SALAMI 6 PC		Gratifica AC Genos	6,057.7 6,453.5	17.2 17,0	16.2 Lg Diameter 16.0 Lg Diameter	0,4%	0.06 16 days 0.07 18 days
	S-SALAM GENOA STICK2 PC JRIASLICED GENOA SALAM	11 29141	AC-AD Genoù Salami	8,025.9	16,9	15.9 Lg Diameter		0.07 16 days 0.08 15 days
	· · · · · · · · · · · · · · · · · · ·	10 2929D ;	Siced AC Genos (6)(48 Premius	1.612.7	16.8	15.6 Lg Diameter		0.02 15 days
DOUGS MOS	IA ITALIAN DRY SALAMI2/5# Gas Filish Baca		Inflort Style Origin Salami	4 450 9				
47800 DEL	IA ITALIAN DRY SALAMI2/5# Gen Flush Begs I SUCED GENOA SALAMI4-4# Units	10 29388 1 18 29290 1	tatlan Style Oried Salami Siced AC Genca (6X48 Premius	4,450.8 8,762.5	16.7 18.6	15.7 Lg Diameter 15.6 Lg Diameter		0.04 15 days 0.09 16 days
47800 DEL 91907 SAV	I SLICED GENOA SALAMI4-4# Linits ONA AC GENOA SALAMI 3PC	10 29388 18 29290 17 29291	tatlan Style Oried Salami Silcad AC Genoa (6X46 Premiu) Statifica AC Genoa	8,762.5 5,023.9	15.6 16.6	15.6 La Diameter 15.6 La Diameter	0.6%	0.09 15 days 0.05 15 days
91907 SAV 2476 GRA 35033 LIGI	I SUICED GENOA SALAMIA-4# Units ONA AC GENOA SALAMI 3PC TIFICA AC GENOA SALAMI 3PC IRIAIDAIN Style Dried Salemi 215#	10 29388 18 29290 17 29291 18 29291	tatlan Style Dried Salami Bloed AC Genoa (6X46 Premiu) Bradfica AC Genoa Bratifica AC Genoa	8,782.5 5,023.9 6,274.4	18.6 16.6 16.0	15.6 Lg Diameter 15.6 Lg Diameter 15.6 Lg Diameter	0.6% 0.3% 0.4%	0.09 16 days 0.05 15 days 0.06 15 days
47809 DEL 91907 SAV 2476 GRA 95093 LIGI 91634 LIGI	SLICED GENCA SALAMIA-4# Units DNA AC GENCA SALAMI 3PC TIFICA AC GENCA SALAMI 3PC RIVAINIBLES BY DIFFE SALAMI 3PC RIVAINIBLES BY DIFFE SALAMI 3PC RIVAINIBLES BY DIFFE SALAMI 3PC	10 29388 18 29290 17 29291 18 29291 10 29388 10 29291 10 29388	tatlan Style Oried Salami Bload AC Genoa (8X48 Premius Graffica AC Genoa Gratifica AC Genoa Laflan Style Oried Salami Grafifica AC Genoa	8,762.5 5,023.9	15.6 16.6	15.8 La Diemeter 15 B La Diemeter 15 8 La Diemeter 14 8 La Diemeter	0.6% 0.3% 0.4% 0.6%	0.09 15 days 0.05 15 days 0.06 15 days 0.08 14 days
47808 DEL 91907 SAV 2476 GRA 35033 LIGI 91634 LIGI 91885 DIM	I SUICED GENOA SALAMIA-4# Units ONA AC GENOA SALAMI 3PC TIFICA AC GENOA SALAMI 3PC IRIAIDAIN Style Dried Salemi 215#	10 29388 18 29290 17 29291 18 29291 10 29388 10 29291 25 29291	tatlan Styte Oried Salami Sicad AC Genea (8X48 Premiu) Bradfica AC Genea Bratifica AC Genea Izilan Styte Oried Salami	8,762.5 5,023.9 6,274.4 8,759.5	15.6 15.6 16.0 15.8	15.6 Lg Diameter 15.6 Lg Diameter 15.6 Lg Diameter	0.6% 0.3% 0.4% 0.6% 0.2% 0.0%	0.09 16 days 0.05 15 days 0.06 15 days

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	Description	Targetet Wip Code	Wip Deep	Promotes a					
3800	HILLANDALEDELI PEPPERONI SPC	10 29339	Dell Pepperori Small Deli	1,082.1	Average of Days			% Type	Calo days
2800	SCOTT PETERSEN DELI PEPPERONI SPG	10 29339	Deli Pepasrori Small Deli	5,334.6	29.0	26.		0.1%	
204	LIGURIA DELI PEPPERONIB PIECES	20 29339	Deli Perperuri Small Deli	3,839,6	25,4	24.		0.8%	
38020	BERKS Deli Papperoni 3 Pieces	10 29339	Deli Pepperoni Small Deli		29.2	22.		0.4%	
38056	WALNUT CREEK FOODS3pc Small Deli	10 29339	Dolf Pesperovi Small Deli	2,801.1	23.1	22		0.3%	
38043	DELALLO DELI PEPPERONI 3 PIECES	10 20330	Dail Papperoni Small Deli	28,144.0	22.6	21.		3.2%	
55235	DELI FRESHDELI PEPPERONI SPC	10 29339	Deli Pepperoni Small Deli	3,965.1	22.5	21.		0.4%	0.10
2511	LIGURIA DELI PEPPERONI SPC	10 29339	Deli Pepperoni Small Deli	3,049.2	21.7	20		0.3%	0.07
36002	NAPOLI Dell Pepperant 3 pc	10 29339	Dell Pepperoni Small Deli	31,228,3	21.2		Other Pepp	3.5%	0.70
38059	ROMA-PEPPERONI DELI STICKSMKD 2.75 DIAM 2PC	7 29339	Dell Pepperoni Small Dell	5,645.3	21.2	20,2		0.6%	0.13
36045	LEONARDOS DELI PEPPERONI SPC	10 29339	Deli Pepperoni Small Deli	3,309,4	21.1	20.1	Other Papp	0.4%	0.07
38070	LIGURIA PEPPERONI COMBO FOR FURTHER PROCESS	1236 29391	FFP Special Spice	549.9	19.0	18.0		0.1%	0.01
36052	ULTIMOSLICED SPICY PEPPERONI 2/12 6#	25 29361	Spicy Pep Coanse Grind	118,689.0	15.5		Other Pepp	12.9%	1.87
38014	Marino Link Pepperoni	10 29934	Bulk Link Pepperoni	8,983,9	15.4	14.4	Other Pepp	1.0%	0.14
1857	LIGURIA Link Pepperoni 16-6oz	5 29334		150.0	15.0	14.0	Other Pepp	0.0%	0.00
18871	DELALLO Link Pepperoni 16-5oz	5 29334	Bulk Link Papparent	4,025.7	14,7	13.7	Other Papp	D.4%	0.08
35034	SP CARA DONNASticad Peoperorii 2/5#	10 29361	Bulk Link Papperore	6,957.3	14.6	13,0	Other Pepp	0.8%	0.11
55245	DELI FRESH Link Penperoni	10 29334	Sploy Pep Coerse Grind	20.195.0	14.6	13.6	Other Peop	2.2%	0.31
39013	NAPOLILInk 2/5#	10 29334	Bulk Link Peoperant	1,808.1	14.4	13.4	Other Pepp	0.2%	0.02
01044	ROMA Double Link Pepperoni	10 29334	Bulk Link Pepparoni	1,143.4	13.9	12.9	Other Peop	0.1%	0.02
2845	LIGURIA Double Link Perperent	10 29334	Bulk Link Pepperoni	30,215.6	13.9	12.9	Other Papp	3.4%	0.43
99004	GRATIFICA LINK PEPPERONI GAS FLUSH 2/5#	10 28334 10 28334	Bulk Link Pepperoni	15,318.5	13,8	12.8		1.7%	0.22
38070	PIZZA PROSilicad Soley Peoperoni 2/12.5#		Bulk Link Peoperoni	2,561.0	19.7	12.7	Other Pepp	0.3%	0.04
2648	LIGURIA STICK PEPPERONI 10PC	25 29381	Spicy Pap Coarse Grind	61,059.4	13.4	12.4		8.6%	0.84
38055	DiCartoe Sticed Peoperari	18 28337	1S X 32 Stick Pepperoni	9,582.8	13.3	12.9	Other Peop	1.1%	0.13
38079	BELLISSIMOSpicy Pepperoni 2/12.5#, 14ct	25 20390	Dicarlo Specia: Sficed	7,439.8	13.0	12.0	Other Pegg	0.8%	0.10
38074 [JGURIASticed Spicy Pepp 2/12,5# 14ct	25 29381	Spicy Pap Coarse Grind	58,578,6	13.0	12.0	Other Pepp	6.5%	0.78
30057 F	ROMA-PEPPERONI SLCD38MM CUP N CHAR 10LB	25 29381	Spicy Pep Coarse Grind	35,910.9	12.7	11.7	Other Page	4.0%	0.47
36160 J	XCertos Sliced Perceroni	10 29384	Cup & Char Splcy Pepperoni 43	1.985.7	12.8		Other Peop	0.2%	0.03
36037 V	WALNUT CREEK FOODSSliced Pepperoni 2/5# GF	25 29390	Dicarlo Special Sficed	11,727.0	12.5	11.5	Other Papp	1.3%	0.15
38028 5	SLICING PEPPERONI COMBO FOR FURTHER PROCESS	10 20331	Retall Pepperoni	26.530.D	12.5		Other Pepp	2.9%	0.15
30064 5	BR PIZZA ROSSODiced Papparoni	1419 29347	1S X 54 Sticing Papp	71,601.0	12.5		Other Papp	7.9%	0.94
91998 0	ORA Link Pepperoni 2/5#	10 29391	Reinii Papperoni	27,405.6	12.3		Other Pepp	3.0%	0.34
2548 L	IGURIA SLICED PEPPERONI 4/5#	10 29334	Bulk Link Pepperoni	3,874.4	12.3		Other Peop	0.4%	D.05
30065 1	IGURIA Cup and Char	20 29331	Retail Pepperoni	12,182.8	12.1		Other Pepp	1.8%	0.16
39009 D	ofalioUnk Pepperoni Band Alt	10 29384	Cup & Char Spicy Papperoni 43	7.125.0	12.1		Other Peop	0.8%	0.10
38120 P	ontrelli 2/12.5#Cup and Char Silced Pepperoni	10 29334	Bulk Link Pepperoni	3,049.3	11.8		Other Peop	0.3%	0.09
38103 R	OMA-PEPPERONI SLCDSPICY 14-18 CT 2/12.5 LB BAGS	25 29384	Cup & Char Spicy Pepperoni 43	7.771.8	11.7		Other Page	0.9%	0.09
35914 B	ELLISSIMO Sicod Beef Pepperori 2/5# GF	25 29381	Spiny Pap Coarse Grind	2.474.1	11.6		Other Peop	0.3%	0.03
2510 11	GURIASLICED BEEF PEPPERONI 2/5#	10 29281	Beef Pepperoni	6.635.8	11.6		Other Page	0.7%	
38055 D	ELALLO STICK PEPPERONI 24/20 oz	10 2929†	Beaf Pepperord	20,181,2	11.3		Other Papp	2.2%	0.08
90084 LE	GURIA SPECIAL SLICED PEPPERONI	30 29333	Stick Pepperoni (301 Boxes)	32,295,7	11.2		Other Page	2.5%	0.23 0.37
51249 D	ELALLOStick Pepperoni 10/20oz	10 20335	Special Silced Pepperoni	2.851.2	10.7		Other Peop	0.3%	
38145 P	TER PIPERSLICED PORK PEPPERONI	13 29993	Stick Pepperoni (301 Boxes)	24,627,4	10.5		Other Papp	2.7%	0.03 0.25
2497 11	GURIA SPECIAL SLICED PEPPERONI 16CT	25 29379	All Pork Pepperoni	89,258,1	10.4		Other Page	9.8%	
36004 PA	ATS PIZZA 2/12.5#SLICED PEPPERONI 16CT	26 29838	Special Sticed Pepperuni	24,506.0	10.2		Wher Pepp	2.7%	0.03
9809B D/	AIRY FRESHSICED PEPPENUNI 18C1	25 29335	Special Silced Pepperoni	7.523.7	10.0		Alter Pepp	0.8%	0.26
SOME IN	GURIACuri & Crisp Sliced Pepperoni	20 29335	Special Silcot Pepperoni	1,526.2	10.0		ther Peop	0.2%	90.0
35041 D	MASiliced Beef Pepperani 2/10# 13ct	10 29377	Cup n Char Sileed Pepperoni	22,280.5	9.9		Wher Pepp	2.5%	0.02
COB11 IV	AMPAILONG BOOK POPPENDAL 2/10# 13ct	20 29281	Boof Papperoni	23,274,0	9.8		Mar Peop		0.22
				B00,978.4	B. G	a.a C	reset subb	2.6%	0.23
								100.0%	12.55
35058 BF	LLISSIMOSIced Pepperoni 4/5# units 14ct								
36084 RF	SELLOSLICED PEPPERON	20 #N/A	#N/A	34,290.9	13.0	12.0	#N/A	69.7%	10,72
35920 PI	ZAMETRYSTICK PEPPERONI	25 #N/A	#N/A	2,350.0	12,8	11.6	#N/A	8.1%	0.71
	TO MINE CALL OF STREET LEADING	28 #N/A	#N/A	1,500.0	30.6	29.6	#N/A	4.2%	1.24
				38,240.9		25,4	MAN.		12.67
								1777,4730	(4.07

Infox Anta obtained
from liquis + consultant
dering plant visit.
A



Plant production split into two distinct processes



Processing includes all activities from formulation up to loading of dry rooms from

Packaging includes all activities from unloading dry rooms to shipping of finished goods



Top 40 SKUs account for 71% finished goods volume

	Item	Volume Lha	Ava Dave Prod	Total elloca	
	LIGURIASLICED PEPPERONI	1.311.932.7	13.2	272 884 GO7 A	40.00v
	Great Kitchens PepperoniFor Further Processing	1 005 017 0	44.4	1.100:100	10.5%
	ROMA SLICED PEPPERONI 2/12.5#	883 415 2	- 6	0 000 LOO	8.0%
	MAMA ISABE I AStrad Penneron 2/5#	464 504 5	12.9	5,000,000,781	6.9%
	TIME DEFICIENT OF SECURITY S	461,627,8	15.2	100,220,178.2	3.8%
	LOIGHTETTERGE SECTION OF CONTRACTOR ANGENIC	476,131.5	13.9	114,271,569.6	3.7%
	VIIALEONCES PEPPERON 2/10# (4600019)	344,775.4	13.0	66, 196, 876.8	2.7%
	רחוחא יון יה אינויים אמינוים אחוחא אינויים אמינוים אחוחא אינויים אינויים אינויים אינויים אינויים אינויים אינוי	284,121.7	13.9	81,827,046.7	2.2%
		235,441.0	14.1		1.9%
	MARINOSliced Pepperoni 2/10# (4600006)	215,182.6	13.0	41,315,053,4	4.7%
	LIGURIA SEICED PEPPERONI	215,149.6	12.7	46,014,430,9	1.7%
	FONTANINISticed Pepperoni 25# 14ct	198,298.9	12.4	44,418,953.6	78%
	LISANTISLICED PEPPERON	181,324.2	12.1	31,913,059,2	1.4%
	Firehouse SubsSirced Genoa Salami 4/3#	177,099.7	17.1	11,334,379.5	1.4%
	LIGURIASticed Pepperoni 2/12.5# units	175,535.8	12.7	40,873,681,0	1.4%
		169,490.1	13.3	37,965,789.1	1.3%
	FOXS PIZZA DENSIced Pepperoni 2/12.5#	153,438.4	13.1	34,370,199.4	1.2%
	LIGURIAIRAEGULAR SLICED PEPPERONI	148,613.6	19.4		1.2%
	≺.	147,390.3	34.6	9.432.979.8	12%
	CORA SLICED PEPPERON	137,013.8	12.1	28.498.864.2	1 1%
	ULTIMO SUPREMESLICED PEPPERONI 2/12,5#	136,281.1	12,5	32,707,466,4	24.6
	TESOROSliced Pepperoni 2/10#	128,121.0	13.4	28 739 588 2	%
	ULTIMO SLICED PEPPERONI 2/12.5# UNITS	126,494.3	15.0	29 241 794 4	. t
	LIGURIA SLICED PEPPERON 2/5#	118.329.8	14.0	24 612 502 2	RO'-
	LIGURIA PEPPERONI COMBO FOR FURTHER PROCESS	116 689.0	i ii	41,016,035,6	2 in 0
	CARA DONNASilced Pengeroni 2/5#	445,000.0	2.00	1 10 10 10 10 10 10 10 10 10 10 10 10 10	×3.0
	GREAT KITCHENSSLICED PEPPERON 25# 44CT	113,380.0	13.0	24, 125,038.6	0.9%
	BELLESIMOSilved pernetral 2/68.0 F	106,639.6	15.4	26,073,547.2	0.9%
	NAPOLI SI JOSEPH DEBERONI 40 CO. N. P.	104,713.3	13.5	20,104,963.2	0.8%
	THE STATE OF DEPOTE ON 1943 FM	104,238.5	12.3	16,678,161.6	0.8%
	CONTROLLED TO THE CANADA CANADA DITARE	100,241.6	13.3	20,850,257.0	0.8%
	POWAGENOA SALAMASDO	98,651.2	22.7	æ	0.8%
		90,804.8	17.2	æ	0.7%
	A INTERNATION DESCRIPTION AND AND AND AND AND AND AND AND AND AN	89,258.1	10.4	25,706,321.3	0.7%
	CONTRACTOR OF THE PROPERTY AND THE PROPE	84,346.9	14,6	20,243,258.4	0.7%
	LUICH BEBBEBON OF COMPANY OF SHOWING ANGENIO	83,658.8	14.9	18,739,571.2	0.7%
	LOIGHTETTEN OF OLD 14 CT 2/10 LB BAGG	80,690.0	13.7	18,074,562.2	0.8%
	HIGH ALKO & CLICED PEPPWHOE COCK Pepp Quartered	79,845.5	12.6	ı	0.6%
	ULITIMO OUTNEMENTING Tepperon 14公4/5年	77,624.2	13.7	17,387,825.3	%9'0
		76,773.1	13.2	15,968,815,2	0.6%
	PETERSTRAND PETERSON 13C	73,096.6	13.3	16,373,636.2	0.6%
	All Ather 7224 that a manage of the first of the control of the co	71,601.0	12.5	×	0.6%
	All ourse (221 lights - average U.1% of total volume)	3,628,470.6		512,007,530.4	28.5%
Source: TraceIT production system	Grand Fotali duction system	12,725,739.1	16.0	2,027,055,988.0	100%
200 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					

Next steps



Dry rooms

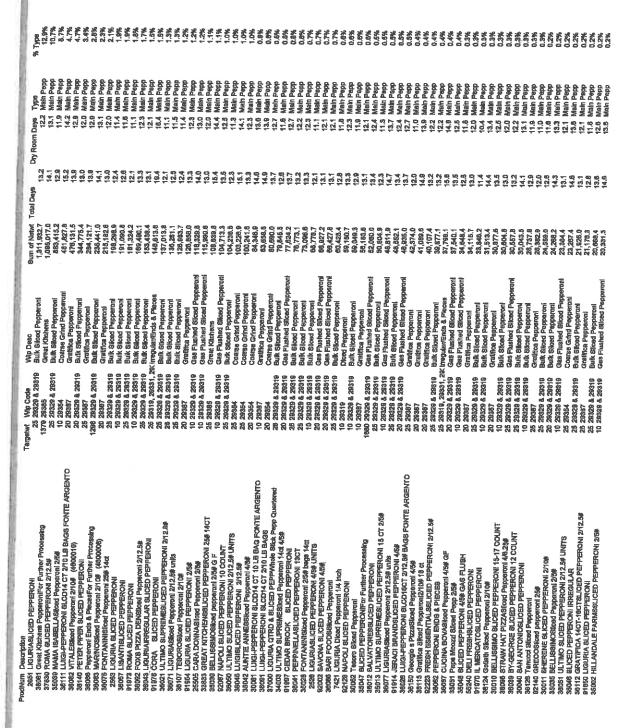
- Pull out and slice what is ready when it is ready
- Dry room engineering analysis what can be done to use dry rooms better? (Airflow Sciences, Stan S., others?) (J)
 - Establish customer quality M:P standards for release by product start with main pepperoni products
- Work with QC to improve M:P sampling to ensure best dry room use ensure target dates for different dry rooms make sense (test one day later?), etc.
 - Smokehouses aim for 14 cycles every day (G/K/C)
- Eliminate mechanical downtime stuffing, smokehouse, formulation, raw materials availability
 - Reduce slow days East line 2nd shift, 3rd stuffer, etc.
 - Slicing/Packing (G/K)
- Drive PM shift productivity 21% lower than AM shift
- Measure and track actual productivity standards by line by product (TraceIT)
 - Understand 12% slicing volume not allocated to slicing line
- Ensure consistency and speed of machine operations
 - Reporting (P)
- Labor productivity 2 reports (formulation/process and packaging)
 - Yield productivity
- Measure and track actual rework and scrap produced daily
- Eliminate unnecessary reporting
- Use Just Food better/more
- Scheduling (in process) (J)
 Process definitions (G/K/lim
- Michelle McClusky (former Tyson/Sara Lee QA professional to support process documentation) Process definitions (G/K/Jim)



Prioritization is key to ensuring building and sustaining momentum and delivering early wins

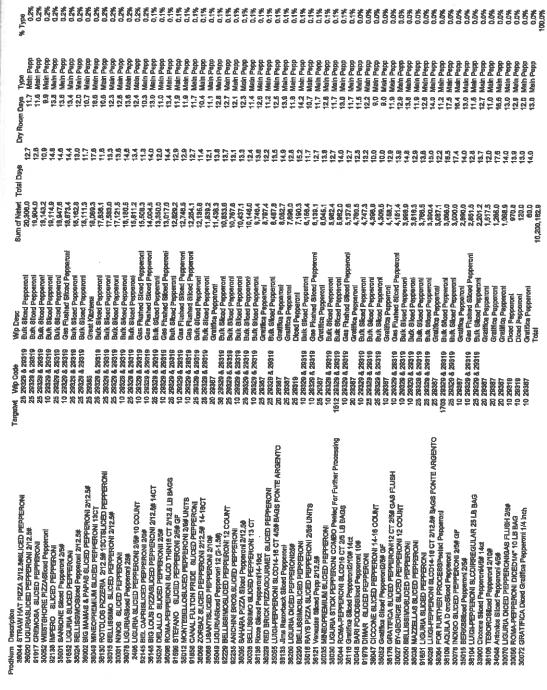
- Critical to prioritize initiatives and not do too much at once
- Important to do a couple things right and quickly rather than everything at once poorly and slowly
- Prioritizing (instead of biting off too much) ensures can show progress sooner, build momentum/ enthusiasm (as opposed to skepticism and fatigue), and begin to deliver against operating results sooner
 - Most initiatives require investing a certain amount of work before reaching a tipping point where any measurable results will be seen
- Prioritizing fewer tasks ensures that we reach that point sooner for fewer tasks (and therefore show some measureable improvement) rather than parallel processing many tasks at once and waiting until later for them to show potentially larger results all at once
- Suggested initial prioritization:
- Gary/Keith focus on optimizing Slicing/Packing
- Jehan focus on improving Dry Rooms
- Paul focus on reporting
- For other initiatives, start tracking data now to establish baseline and get used to tracking actual results
 - Orients team to normal variability
- Allows the team to use factual history once you do start to optimize area
- Jehan to consider which area(s) for process documentation to focus TBD
- Scheduling person to start in a few weeks

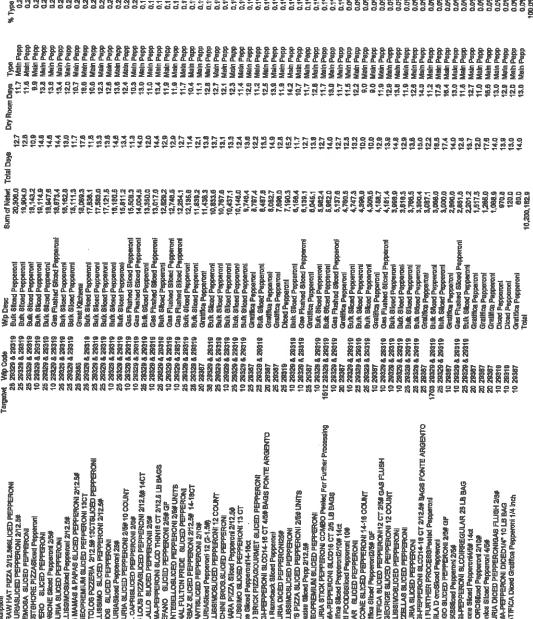
Detail – Main Pepp (1 of 2)





Detail – Main Pepp (2 of 2)





Detail – Other Pepp



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Detail – Large Diameter (1 of 2)

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Detail – Large Diameter (2 of 2)

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Cery, Jim, kith

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